

PROJECT DESCRIPTION

PHASE CHART

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting and interconnect at the intersection of US 50 and Tilghman Road in Wicomico County. US 50 is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- The intersection is to be modified to operate in a NEMA six-phase, fully-actuated mode, with the US 50 approaches continuing to run concurrently. The US 50 westbound left turn movement shall operate as a lead left with the eastbound left turn movement operating as a lagging left. The Tilghman Road approaches shall also continue to run concurrently.
- The existing full-traffic-actuated, eight-phase controller housed in a NEMA size "6" base-mounted cabinet shall remain.

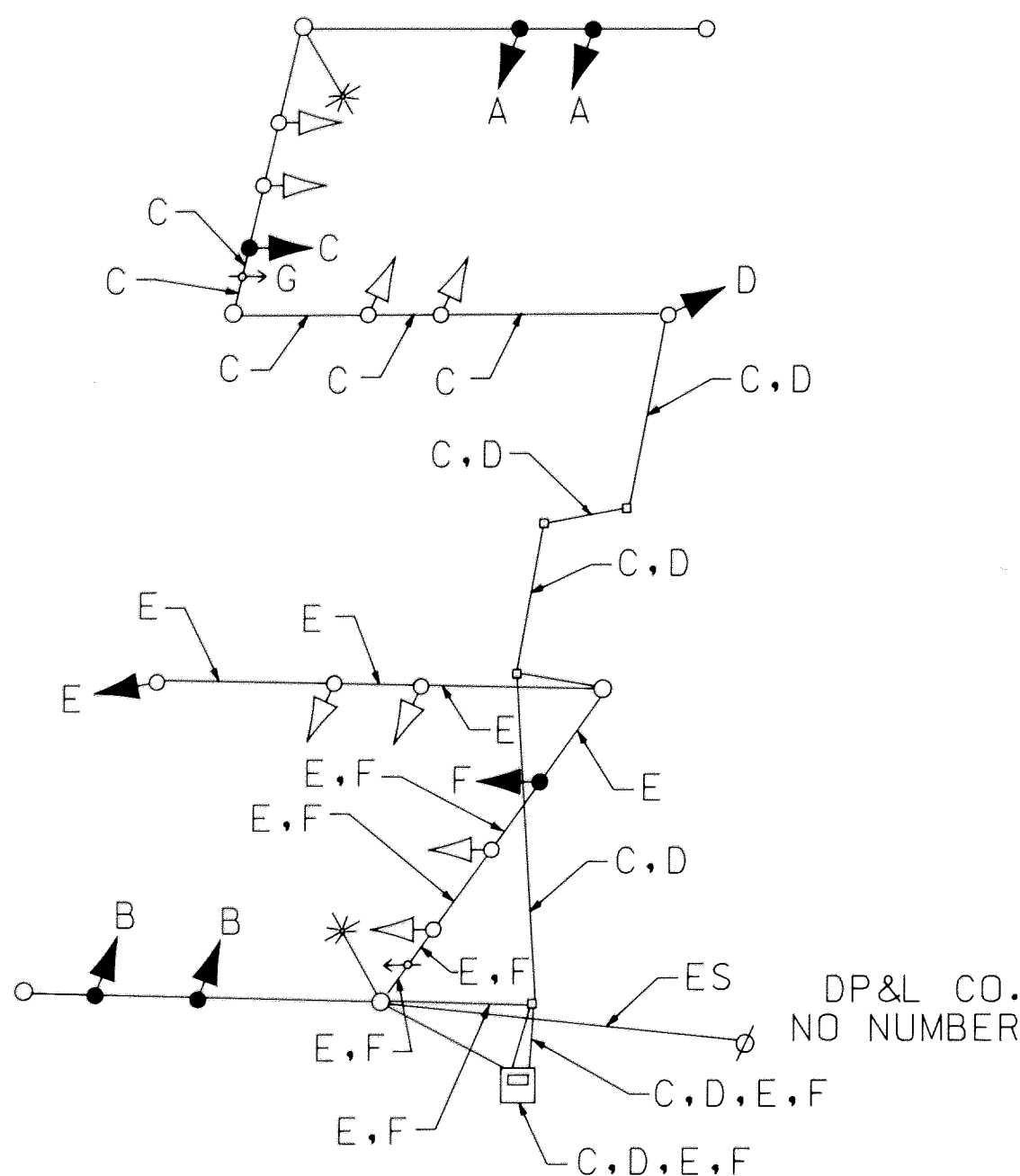
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 2 & 5	←R	←R	R	R	←G	←G	G	G	R	R	R	R	R	R	G	G
5 CHANGE	←R	←R	R	R	←Y	←Y	G	G	R	R	R	R	R	R	Y	Y
PHASE 2 & 6	←R	←R	G	G	←R	←R	G	G	R	R	R	R	R	R	R	R
2 CHANGE	←R	←R	G	G	←R	←R	Y	Y	R	R	R	R	R	R	R	R
PHASE 1 & 6	←G	←G	G	G	←R	←R	R	R	R	R	G	G	R	R	R	R
1 & 6 CHANGE	←Y	←Y	Y	Y	←R	←R	R	R	R	R	Y	Y	R	R	R	R
PHASE 4 & 8	←R	←R	R	R	←R	←R	R	R	G	G	G	G	G	G	G	G
4 & 8 CHANGE	←R	←R	R	R	←R	←R	R	R	Y	Y	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

EQUIPMENT LISTS

EQUIPMENT TO BE SUPPLIED AND INSTALLED BY S.H.A.

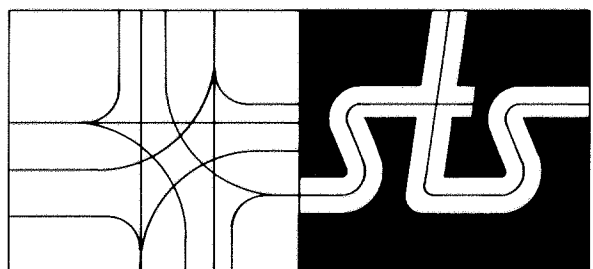
QUANTITY	DESCRIPTION
2 Each	12", one-way, three-section (RA,YA,GA) traffic signal head having proper span wire hangers, balance adjusters and tunnel visors.
4 Each	12", one-way, three-section (R,Y,G) optically programmed traffic signal head having proper span wire hangers, balance adjusters and tunnel visors.
2 Each	12", one-way, three-section (RA,YA,GA) traffic signal head with adjustable bracket for pole mounting and tunnel visors.
2 Each	R3-SL "LEFT TURN ONLY" sign, (30" x 36") span wire mounted with hardware.
1000 L.F.	5-conductor electrical cable (No. 14 A.W.G.).
120 L.F.	1/4" steel tether wire.
1 Each	Relocate opticom detector eye.
4 Each	Remove traffic signal head.

WIRING DIAGRAM



WIRING KEY

- A } EXISTING 5-CONDUCTOR ELECTRICAL CABLE TO BE UTILIZED
- B } EXISTING 5-CONDUCTOR ELECTRICAL CABLE TO BE UTILIZED
- C } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- E } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G - EXISTING OPTICOM CABLE TO BE UTILIZED
- ES - EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY DP&L CO.
- NOTE: ALL EXISTING ELECTRICAL CABLE NOT SHOWN IS TO BE MAINTAINED.



Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
Ph (410) 859-3553
Fax (410) 859-3579

TASK3G1.DGN

REVISIONS

APPROVALS

ASST. CHIEF TEDD SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 50 AND TILGHMAN ROAD

DRAWN BY: THACKER
CHECK BY:
DATE: 09-04-97
SCALE: N/A

COUNTY: WICOMICO
LOG MILE: 22005018.18
F.A.P. NO.
S.H.A. NO.

TS NO.
1559D
T.I.M.S. NO.

SHEET NO.
2 OF 2